

Notice of Allowability

Application No.

09/754,652

Examiner

Michael J. Simitoski

Applicant(s)

KUSAKABE ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the response of 5/26/2006.
2. ☒ The allowed claim(s) is/are 1,2,5-15 and 17.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Signature of Jacques Louis Jacques
JACQUES LOUIS JACQUES
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

DETAILED ACTION

1. The response of 5/26/2006 was received and considered.
2. Claims 1,2,5-15 and 17 are pending.

Allowable Subject Matter

3. Claims 1,2,5-15 and 17 are allowed.
4. The following is an examiner's statement of reasons for allowance:
5. Regarding claims 1, 2, 7 & 14, **Shigenaga** discloses an access apparatus possessed by a business organization for accessing a portable electronic device, said access apparatus including means for executing an authentication/identification between the business organization and the portable electronic device/IC card by using a access key information/encrypted random number (col. 9, lines 1-12) and a management center adapted to create said access key information/encrypted random number by encrypting based on said file key information/MPUK and said issuer key information (col. 9, lines 1-12). **Shigenaga's** system encrypts data between the terminal and the IC card with issuer key information/IPUK (col. 9, lines 1-12). **Watanabe** teaches a system that allows a common area accessible to any enterprise and certain areas to be accessed only from the pertinent enterprise (col. 2, lines 11-14). **Watanabe's** system stores multiple areas on the card (Fig. 1) each with their own index area (Fig. 1 & Fig. 3); the index areas describing which keys area required to identify an enterprise for access to that specific area of the card (Fig. 3, 3rd and 4th bytes & col. 7, lines 1-46), wherein the keys consist of one or more of an enterprise key, an issuer key, a personal key and a control key (col. 7, lines 10-23). The keys are read into the card and compared with stored values (col. 5, lines 15-35). **Iijima** teaches

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that to send a file to an IC card that has a plurality of areas to be accessed by different applications (col. 1, lines 10-25), an input command in the form of a data file definition command (file registry information) is sent and memory is allocated based on the size specified in the command (col. 4, lines 38-59& Fig. 11). **Zuk** teaches that to securely transfer data/key to a card, it is known to encrypt the data, transfer the data from a source and at the card, decrypt the data and store it in memory (col. 2, lines 15-27 & col. 5, lines 8-23). **Shigenaga** discloses requiring an issuer key to access the data (requiring the accessor be the issuer in order to gain access) (col. 7, lines 10-22). **Pitroda** teaches that universal electronic transaction cards are useful because a plurality of organizations can be accessed with them (col. 2, lines 44-66) through a plurality of point of transactions systems (col. 5, lines 14-24).

However, the prior art relied upon fails to teach or suggest creating file registry information and access key information based on file key information processed by a management sector, wherein said management sector is adapted to create said file registry information at least partly by encrypting memory space information to at least partly produce an encrypted result, wherein said file registry information includes said memory space specifying information in an unencrypted condition and the encrypted result, in combination with the other elements of the claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael J. Simitoski whose telephone number is (571) 272-3841. The examiner can normally be reached on Monday - Thursday, 6:45 a.m. - 4:15 p.m..

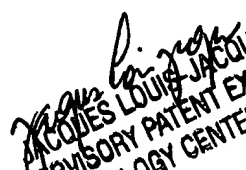
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jacques Louis-Jacques can be reached on (571) 272-6962. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MJS



July 24, 2006


JACQUES LOUIS-JACQUES
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100